38th Annual Meeting, APS Division of Plasma Physics 11-15 November 1996, Denver, CO **Abstract Submittal Form**

Deadline: Wednesday, 10 July 1996

ct Classification Category	□ Theory □ Experiment
(Refer to the DPP Subject Category list on	ucrl-Jc-124674 Abs
Measurements of Ra	ayleigh-Taylor growth in ablatively driven
converging hemisphe	erical targets at Nova,* S.G. Glendinning ^{a)} ,
·	nichec), B.A. Remington ^{a)} , D.H. Kalantar ^{a)} ,
Livermore, CA, b)L experiments to invest mode perturbation g instability on targets a back-to-back experiment mounted on the wall o	Wallace ^{a)} , M.M. Marinak ^{a)} , a)LLNL, ANL, c)CEA Limeil We have started tigate the effects of convergence on single-growth due to the Rayleigh-Taylor (RT) ablatively accelerated with an x-ray drive. In nents, planar and hemispherical targets are of a standard Nova hohlraum, so that they see histories. Each target had identical initial
perturbations, in one s	set of experiments a 2D λ=70 μm sinusoidal
The effects of converg should cause the densi cause the effective way of which will affect the presented. *Work p Department of Energy	r set, a 3D $k_x=k_y$ ($\lambda_x=\lambda_y=100~\mu m$) pattern. gence in the hemispherically imploding target lity at the ablation front to remain steep, and velength of the perturbation to decrease, each he overall RT growth. Initial results will be performed under the auspices of the U.S. gy by the Lawrence Livermore National ract number W-7405-ENG-48.
☐ Prefer Poster Session ☐ Prefer Oral Session ☐ Place in the following grouping (Specify the order)	Submitted by:
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